

Finding Files and Directories

What You Will Learn

- Two commands that allow you to find files and directories.

The `find` Command

```
find [path...] [expression]
```

Recursively finds files in path that match expression. If no arguments are supplied it find all files in the current directory.

find Options

- | | |
|-----------------------------|---|
| <code>-name pattern</code> | Find files and directories that match pattern. |
| <code>-iname pattern</code> | Like <code>-name</code> , but ignores case. |
| <code>-ls</code> | Performs an <code>ls</code> on each of the found items. |

find Options

- | | |
|----------------------------------|---|
| <code>-mtime days</code> | Finds files that are days old. |
| <code>-size num</code> | Finds file that are of size num. |
| <code>-newer file</code> | Finds files that are newer than file. |
| <code>-exec command {} \;</code> | Run command against all the files that are found. |

Demo - Find

A Fast Find - locate

`locate pattern`

- Lists files that match pattern.
- Faster than the `find` command.
- Queries an index.
- Results are not in real time.
- May not be enabled on all systems.

Demo - locate

Summary

- find
- locate